

Method For Making A Thermoformable Liner

Abstract of Disclosure

A custom-fitting prosthetics liner is made without mixing silicone and without making a mold. A thermoformable liner is made by preparing a negative cast from a patient's residual limb, preparing a positive cast from the negative cast, and placing a thermoformable tubular liner over the positive cast. The positive cast and liner are heated in an oven for a predetermined time and temperature. Having acquired a new geometry, the cast and liner are removed from the oven and allowed to cool to room temperature. The liner is then removed from the cast. Alternatively the liner is heated, placed over the positive cast, cooled and removed. The interior surface of the liner conforms to the shape of the cast. The liner is elastic so that it returns to its new geometry when stretched and released. It therefore holds on to a residual limb even when the residual limb shrinks.

Figures

code	country	capital	language	religion	currency	population	area	density
1	Albania	Tirana	Albanian	Islam	Leke	2,200,000	28,748	76.9
2	Algeria	Algiers	Arabic	Islam	Dinars	10,000,000	238,147	41.9
3	Angola	Luanda	Portuguese	Christian	Kwanza	10,000,000	480,169	20.8
4	Argentina	Buenos Aires	Spanish	Christian	Pesos	25,000,000	2,780,167	9.0
5	Australia	Canberra	English	Christian	Dollars	15,000,000	7,741,229	1.9
6	Austria	Vienna	German	Christian	Schillings	8,000,000	83,858	95.4
7	Bahamas	Nassau	English	Christian	Dollars	200,000	13,933	14.4
8	Bangladesh	Dhaka	Bengali	Islam	Taka	90,000,000	147,570	610.0
9	Barbados	Bridgetown	English	Christian	Dollars	200,000	166	1,204.8
10	Belgium	Brussels	Dutch, French, German	Christian	Francs	9,000,000	30,528	294.8
11	Belize	Belize City	English	Christian	Dollars	200,000	22,967	8.7
12	Bhutan	Thimphu	Tibetan	Buddhism	Ngulms	200,000	38,394	5.2
13	Bolivia	Sucre	Spanish	Christian	Bolivianos	5,000,000	366,128	13.6
14	Bosnia and Herzegovina	Sarajevo	Bosnian, Croatian, Serbian	Christian, Islam	Marka	4,000,000	51,129	78.2
15	Brazil	Brasilia	Portuguese	Christian	Reals	150,000,000	8,511,965	17.5
16	Bulgaria	Sofia	Bulgarian	Christian	Levs	8,000,000	110,914	72.1
17	Burkina Faso	Ouagadougou	French	Christian	CFA Francs	5,000,000	274,060	18.2
18	Burundi	Bujumbura	French, Kirundi	Christian	Francs	4,000,000	27,834	143.7
19	Cambodia	Phnom Penh	Khmer	Buddhism	Riels	7,000,000	181,035	38.7
20	Cameroon	Yaounde	French	Christian	CFA Francs	10,000,000	475,339	21.0
21	Canada	Ottawa	English, French	Christian	Dollars	25,000,000	9,984,670	2.5
22	Cape Verde	Praia	Portuguese	Christian	Dollars	400,000	4,033	99.2
23	Cayman Islands	George Town	English	Christian	Dollars	20,000	214	93.5
24	Czech Republic	Prague	Czech	Christian	Korunas	6,000,000	78,866	76.1
25	Dominican Republic	Santiago	Spanish	Christian	Dollars	2,000,000	7,518	266.0
26	Dominica	Roseau	English	Christian	Dollars	70,000	750	93.3
27	Ecuador	Quito	Spanish	Christian	Dollars	4,000,000	283,560	14.1
28	Egypt	Cairo	Arabic	Islam	Pounds	50,000,000	1,001,450	50.0
29	El Salvador	San Salvador	Spanish	Christian	Colones	4,000,000	21,709	184.3
30	Equatorial Guinea	Malabo	Spanish	Christian	Francs	400,000	28,051	14.3
31	Eritrea	Asmara	Tigrinya, Arabic	Christian, Islam	Nakfas	3,000,000	122,410	24.5
32	Estonia	Tallinn	Estonian	Christian	Korunas	1,000,000	45,248	22.3
33	Ethiopia	Addis Ababa	Amharic	Christian, Islam	Birr	40,000,000	474,900	84.2
34	Fiji	Suva	Fijian, English	Christian	Dollars	600,000	183,347	3.3
35	Finland	Helsinki	Finnish, Swedish	Christian	Markkas	5,000,000	153,903	32.5
36	France	Paris	French	Christian	Francs	55,000,000	640,800	85.9
37	French Polynesia	Papeete	French	Christian	Francs	200,000	1,307	153.0
38	Gabon	Libreville	French	Christian	CFA Francs	1,000,000	267,667	3.7
39	Gambia	Banjul	English	Christian	Dollars	1,000,000	11,170	89.5
40	Germany	Berlin	German	Christian	Markkas	80,000,000	357,021	224.1
41	Ghana	Accra	English	Christian	Cedis	10,000,000	57,936	172.6
42	Greece	Athens	Greek	Christian	Drachmas	10,000,000	113,512	88.1
43	Greenland	Narsarsuaq	Danish	Christian	Korunas	50,000	2,166	23.1
44	Guatemala	Guatemala City	Spanish	Christian	Quetzales	4,000,000	108,	